

ZHUKOV, V.V., inzh.; MILONOV, V.M., kand.tekhn.nauk

Action of temperature and loading on two-hinged frames. Bet.
i zhel.-bet. no.5:213-218 My '61.
(Reinforced concrete)
(Structural frames)

SHIROKOV, Anatoliy Pavlovich; SAMETS, Mikhail Grigor'yevich; ZHUKOV, V.V., otv. red.; SMIRENSKII, M.M., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Working coal seems without bracing up the srea near the cut] Ras-rabotka ugol'nykh plastov bez krepleniia prizaboinogo prostranstva. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961.

169 p. (Goal mines and mining)

PAVLYUCHEMO, Dmitriy Mikolayevich; ZHUKOV, V.V., otv.red.; SUKHINIMA,

M.D., tekhn.red.

[Supports in coal-mine stopes] Krep' ochistnykh zaboev

ugol'nykh sinkht. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po

gornom delu, 1960. 135 p.

(Mine timbering)

(Coal mines and mining--Equipment and supplies)

ANGARSKIY, V.V., insh.; ZHIKOV, V.V., kand.tekhn.nauk

Roof caving without battery stulls. Ugol' 35 no.7:44-46 Jl '60.
(MIRA 13:7)
(Kuznetsk Baein --Mining engineering)

FOROYKOV, I.V., prof.; KORNEV, Yu.V., dots.; ZHUKOV, V.V., dots.

[Solected chapters on physics] Gtdel'nye glavy fiziki.

Moskva, Vysshaia shkola, 1964. 218 p. (MIRA 18:1)

ZHUKOV, V.V.; SHAPIRO, B.M., dotsent, nauchnyy rukovoditel' raboty

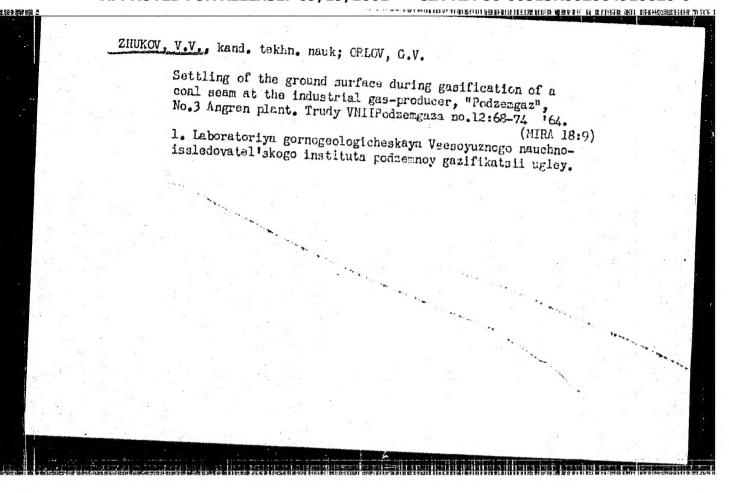
Immunological characteristics of cytotoxic nephritis in a chronic experiment. Trudy KirgNOAGE no.2:127-129 '65.

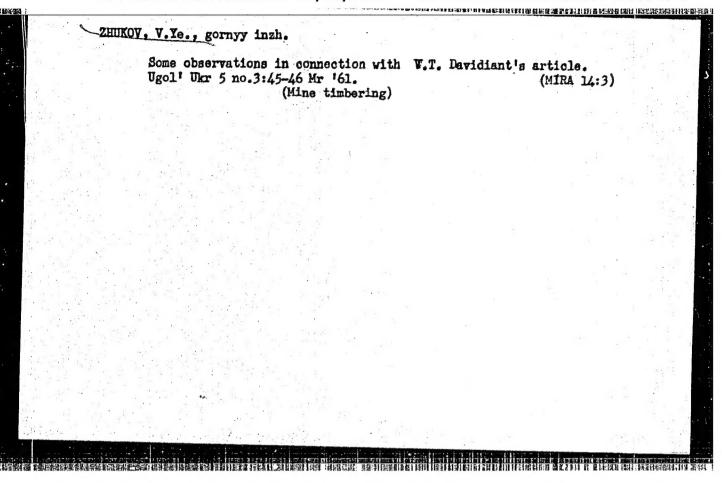
Craracteristics of the beginning of recovery in chronic Masugi nephritis. Ibid.:129-130 (MIRA 18:31)

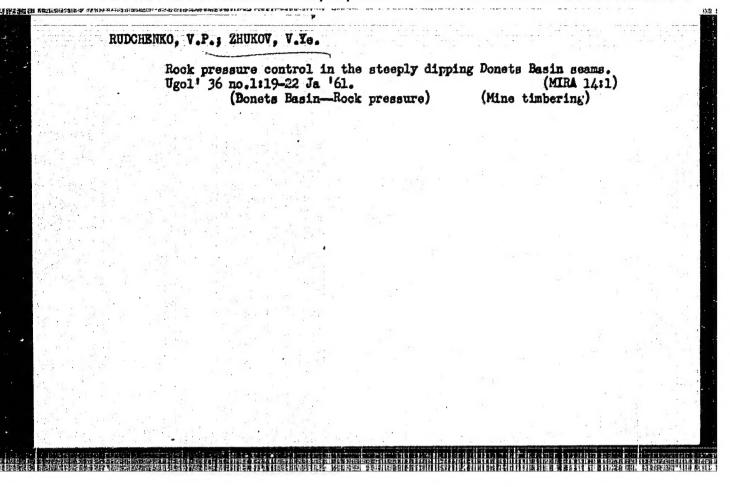
1. Kirgizskiy gosudarstvennyy meditsinskiy institut.

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SOV/44-58-4-3005

Referativnyy zhurnal, Matematika, 1958, Nr 4, p 84 (USSR) Translation from:

AUTHOR: Zhukov, V. Ye

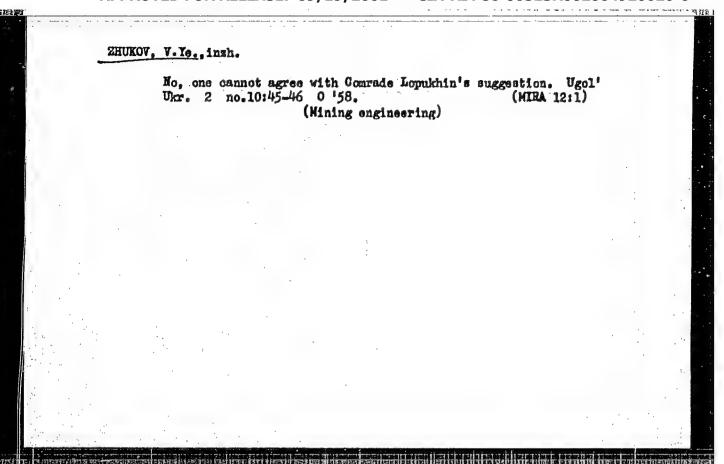
Examples of the Application of the Simplest Functions in Physics and Engineering (Primery primeneniya prosteyshikh funktsiy v fizike i tekhnike) TITLE:

PERIODICAL: Uch. zap. Vyborsk. gos. ped. in-ta, 1957, Nr 2,

pp 50-65

ABSTRACT: Bibliographic entry.

Card 1/1



ZHUKOV, V. Ye., Candidate Tech Sci (diss) -- "Investigation of problems of controlling the rock pressure in working steeply sloping seams in the central region of the Donbass". Moscow, 1959. 19 pp (Acad Sci USSR, Inst of Mining), 150 copies (KL, No 25, 1959, 133)

SOV/44-58-4-3016

Translation from: Referativnyy zhurnal, Matematika, 1958,

Nr 4, p 84 (USSR)

AUTHOR: Zhukov V. You

TITLE:

On Computing the Volume of a Solid of Revolution with the Ald of Definite Integrals (O Vychisler 11 ob yemov tel vrashcheniya s pomoshch'yu opredelen ykh integralov)

PERIODICAL: Uch. zap. Vyborsk. gos. ped. in-ta, 1957, Nr 2,

pp 66-71

ABSTRACT: Bibliographic entry.

Card 1/1

ZHUKOV, V.Ye.

CAN STREET STREET

Exostoses of the lower jaw and prosthesis in relation to them. Stometologiia 33 no.6:67-69 N-D '59. (MIRA 13:4)

1. Iz stomatologicheskoy polikliniki No.10 (glavnyy vrach V.Ye. Zhukov) Upravleniya khosraschetnymi lechebnymi uchrezhdeniyami Moskovskogo gorodskogo otdela zdravookhraneniya (nachal'nik G.H. Volchenkov, nauchnyy rukovoditel' - prof. V.Yu. Kurlyandskiy).

(EXOSTOSIS) (DENTAL PROSTHESIS)

# Mining steep beds having unstable side formations. Bezop. truda v prom. 2 no.11:3-4 N '58. (MRA 11:11) (Coal mines and mining)

ZHUKOV, V.Ye.; PARASOTOK, V.A.

和社员社

KRASOZOV, I.P.; ZHUKOV, V.Ye.; POL'SKIY, N.D.

Problems in the complex mechanization of stoping perations in steeply pitching seams of the Donets Basin. Ugol' 40 (MIRA 18:8)

1. Donetskiy nauchno-issledovatel'skiy ugol'nyy institut (for Krasozov, Zhukov). 2. Kombinat Artewugol' (for Pol'skiy).

ANISHCHENKO, Ye.Ye.; RUDCHENKO, V.P.; ZHUKOV, V.Ye.

Reorganization of mines in the central part of the Donets Basin. Ugol' Ukr. 3 no.6:6-9 Je '59. (MIRA 12:11) (Donets Basin-Coal mines and mining)

RUDCHANKO, V.P., gornyy inzhener; ZHUKOV, V. Ye., gornyy inzhener

Technical and economic advantages of blind workings in mining steeply dipping seams. Ugol' Ukr. no.6:7-8 Je '61.

(MIRA 14:7)

1. Kombinat Stalinugol'.

(Donets Basin—Coal mines and mining)

ZHUKOV, V.Ye., gornyy inzh. (Donetsk) Complete filling on steep seams in the Donets Basin is an important factor for accelerating technical progress. Ugol' 38 no.1:16-19 Ja '63. (MIRA) (MCRA 18:3)

GRIGOR'YEV, V.L., kand. tekhn. nauk; ZHUKOV, V.Ye., kand. tekhn. nauk

Conference on the problems of mining coal deposits at great depths. Ugol' 39 no.3:74-75 My'64. (MIRA 17:5)

ZHUKOV, V.Ya., inghener.

Longwall filling in mining steep beds in unstable formations.

Bezop.truds v pros. 1 no.9: 22-23 S '57. (MLRA 10:9)

(Cosl mines and mining--Safety measures)

VOLODIN, A.; IVANOVA, T.; ZHITELEV, S.; ZAYTSEVA, T.; GATCHINSKIY, M.; LOTSEV, I.; PETROVA, V.; ZHUKOV. Ya.

You are in Leningrad. Mest.prom.i khud.promys. 2 no.2:5-15 F '61. (MIRA 14:4)

- 1. Clavnyy inzhener Leningradskoy fabriki po remontu i poshivu obuvi No 1 (for Petrova).
- 2. Direktor fabriki "Muzradio" (for Zhukov).

(Leningrad --- Service industries)

 ZLATOLINSKIY, V.N., arkhitektor; CHETYRKIN, D.A., arkhitektor; ZHUKOV, Ya.N., arkhitektor.

Example of the design of an industrial complex for enterprises of the chemical industry. Prom. stroi. 42 no.12:40-42 D '64. (MIRA 18:3)

#### ZHUKOV, Ya.N., arkhitektor

Experimental designing of master plans for industrial plants. Prom. stroi. 39 no. 1:19-24 '61. (MIRA 14:1)

1. Nauchno-issledovatel skiy institut gradostroitel stva. (Factories—Designs and plans)

RESHETOV, K.A., inzhener-kapitan; ZHUKOV, Yo. inzhener-mayor; GLAZ-KOV, G.P., inzhener-kapitan; ZERNOV, A.G., inzhener; SHTEIMAN, A.B., podpolkovnik, redaktor; YEREMSTEVA, Ye.N., tekhnicheskiy redaktor.

HOISON TE.S.

[The PK-30, R-20-M and R-60-M medium field telephone switchboards]
Polevye telefornye kommutatory srednei emkosti PK-30, R-20-M, P-60-M.
Moskva, Voen. izd-vo Ministerstva Vooruzhennykh Sil SSSR, 1946, 142 p.
(MIRA 8:2)

1. Russia (1923- U.S.S.R.) Armiya. Upravleniye boyevoy podgotovki voyak svyazi sukhoputnykh voyak.

(Telephone switchboards)

ZHUKOV, Ye., kapitan dal'nego plavaniya

Moral and physical factors in life saving at sea. Mor. flot 22 no.11:18-19 N '62. (MIRA 15:12)

1. Nachalinik kafedry "Morskoye delo" Výsshego voyenno-inzhenernogo morskogo uchilishcha.
(Life saving)

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ZHUKOV, Ye.A. (Sverdlovsk, ul. 8 marta, d.7, kv. 13)

Clinical aspects of cancer of the thyroid gland. Vest. khir. 82 no.6:45-49 Je '59. (MIRA 12:8)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. V.F. Kolosovskaya) Sverdlovskogo meditsinskogo instituta.

(THYROID GIAND--CANGER)

#### "APPROVED FOR RELEASE: 09/19/2001

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Case of giant retroperitoneal lipoma. Khirurgiia 35 no. 11:129-130 (MIRA 14:1)

N '59. (RETROPERITONEAL SPACE—TUNORS)

- 1. ZHUKOV, YE. F., Engr.
- 2. SSSR (600)
- 4. Pipelines
- 7. Trenchless laying of pipe lines by the method of "piercing" the ground. Biul. stroi. tekh. 9 No. 21, 1952

9. Honthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.



ASSOCIATION: none Card 1/2/

ZHUKOV, YE. A. Cand Med Sci — (miss) "Questions on the clime, morpholagy and treatment of malignant neoplasms of thyroid gland," Sverdlovsk, 1960, 19 pp (Perm' State Medical Institute) (KL, 35-60, 126)

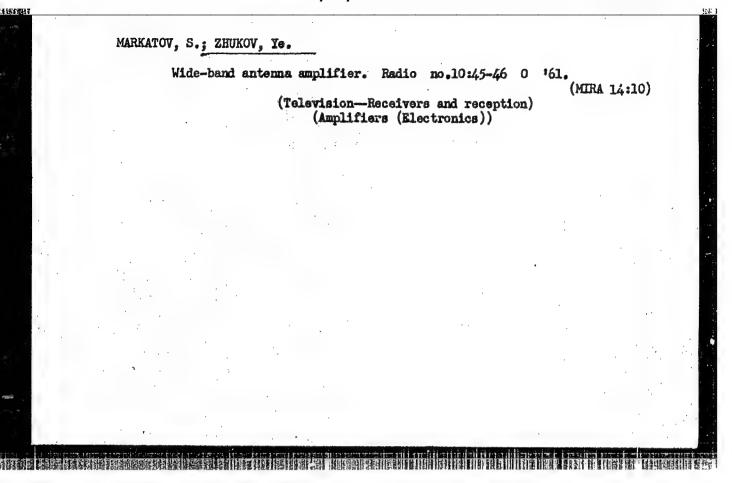
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CIA-RDP86-00513R002064920020-6"

ZHUKOV, Ye.A. (Sverdlovsk, ul.8-go Marta, d.7, kv.12)

Some data on the morphology of thyroid gland cancer. Nov. khir. arkh. no.1:42-51 Ja-F '61. (MIRA 15:2)

1. Kafedra fakulitetskoy khirurgii (zav. - prof. V.F.Kolosovskaya) Sverdlovskogo meditsinskogo instituta. (THYROID GLAND\_CANCER)



ENT(m)/FCC/T IJP(c) ACC NR: AP5024642 SOURCE CODE: UR/0048/65/029/009/1719/1721 AUTHOR: Babayev, H.K.; Dentkayev, B.Z.; Yenel yangv, Yu. A.; Zhukov, Yu. L.; Luktia, Yu. T.; Kurzin, V.S.; Khomenko, G.S. ORG: none 1.1 E TITLE: Fluctuation in the number of particles in an electromagnetic shower at 110 Bey /Report, All-Union Conference on Cosmic Ray Physics held at Apatity 24-31 August SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 9, 1965, 1719-1721 TOPIC TAGS: secondary cosmic ray, cosmic ray shower, electron, photon, iron ABSTRACT: Electron-photon showers were investigated in an ionization calorimeter consisting of the following components in order from the top: 13 cm C, 3 cm Fe, 8 trays of ionization chambers each followed by 5 cm Fe, 2 trays of chambers with no absorber between, 1 cm Fe, 160 g/cm2 C, 3 cm Fb, and two trays of chambers separated and followed by 2 cm Pb. Showers initiated by cosmic ray particles were regarded as electronphoton showers if they produced ionization in at least one of the two uppermost trays and no ionization in the two trays beneath the large carbon absorber. Of 334 electronphoton showers thus identified, 152 had energies between 100 and 200 BeV. The ionization versus depth curves for these showers were normalized to a primary energy of 110 Card 1/2 09010361

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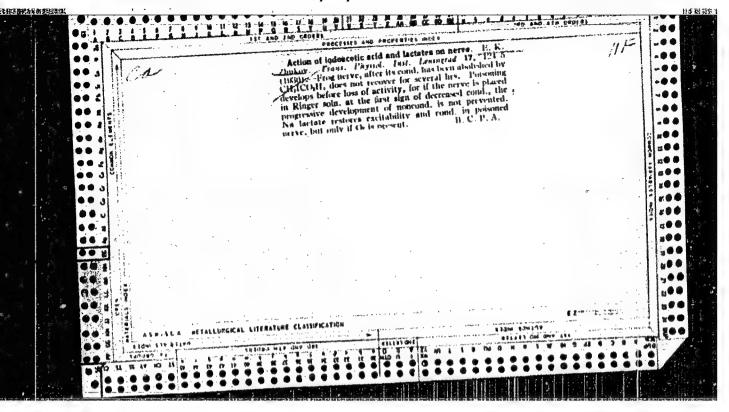
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Bev and averaged, and the average curve was compared with theoretical curves calculated for different assumed values of the radiation length in iron. Good agreement was obtained with the curve based on a radiation length of 12.6 g/cm<sup>2</sup>. This value of the radiation length in iron was confirmed by comparing the observed depth of maximum shower development with calculated values. The fluctuation (ratio of the mean square to the square of the mean) in the number of particles in the showers as a function of depth was compared with the calculated curve of N.M.Gerasimova (Zh. eksperin. i teor. fiz., 43, 500 (1962); 44, 240 (1963)). Good agreement was found at depths less than 23 radiation units, but at greater depths the observed fluctuations were much less than the calculated ones. In conclusion, the authors express their gratitude to Zh.S. Tekibayev for valuable discussions. Orig. art. has: 1 formula, 3 figures, and 1 table;

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E. K. Zhukov: "Some regularities in the evolution of stimulation." (p. 435)

SO: Journal of General Biology Vol. 7, No. 6, 1944

IJP(c) 27897-66 ENT(m)/FCC/T UR/0048/65/029/009/1719/1721 ACC NR: AP5024642 AUTHOR: Babayav, H.K.; Dentkayev, R.Z.; Yenel yanov, Yu. A.; Zirikov, Ye. I.; Lakin. Yu. T.; Kurzin, Y.S.; Khonenko, O.S. 14 B ORG: none Fluctuation in the number of particles in an electromagnetic shower Bey /Report, All-Union Conference on Cosmic Ray Physics held at Apatity 24-31 August 1964/ SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 9, 1965, 1719-1721 TOPIC TAGS: secondary cosmic ray, cosmic ray shower, electron, photon, iron ABSTRACT: Electron-photon showers were investigated in an ionization dalorimeter consisting of the following components in order from the top: 13 cm C, 3 cm Fe, 8 trays of ionization chambers each followed by 5 cm Fe, 2 trays of chambers with no absorber between, 1 cm Fe, 160 g/cm2 C, 3 cm Pb, and two trays of chambers separated and followed by 2 cm Pb. Showers initiated by cosmic ray particles were regarded as electronphoton showers if they produced ionization in at least one of the two uppermost trays and no ionigation in the two trays beneath the lavee carbon absorber. Of 334 electron photon showers thus identified, 152 had energies between 100 and 200 BeV. The ionication versus depth curves for these showers were normalized to a primary energy of 110

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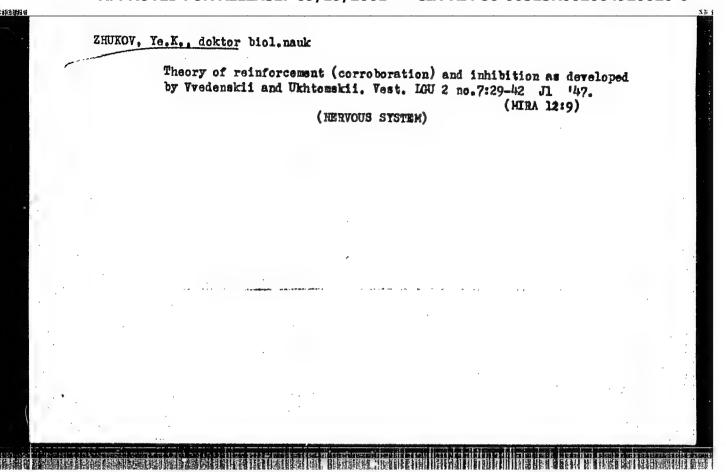
BeV and averaged, and the average curve was compared with theoretical curves calculated for different assumed values of the radiation length in iron. Good agreement was obtained with the curve based on a radiation length of 12.6 g/cm². This value of the radiation length in iron was confirmed by comparing the observed depth of maximum shower development with calculated values. The fluctuation (ratio of the mean square to the square of the mean) in the number of particles in the showers as a function of depth was compared with the calculated curve of N.M.Gerasimova (Zh. eksperia. i teor. fiz., 43, 500 (1962); 44, 240 (1963)). Good agreement was found at depths less than 23 radiation units, but at greater depths the observed fluctuations were much less than the calculated ones. In conclusion, the authors express their gratitude to Zh.S. Takibayev for valuable discussions. Orig. art. has: 1 formula, 3 figures, and 1 tables.

SUB CODE: NO/ SUBM DATE: 00/ ORIG REF: 004/ OTH REF: 000

Card 2/2 (1/

ZHUKOV, Yavgeniy Ivanovich; STUPAKOVA, G.I., red.

[Handling a seagoing lifeboat] Upravlenie morskoi shliupkoi.
Moskva, Transport, 1964. 139 p. (MIRA 123)



VERESHCHAGIN, S. M. and ZHIKOV, Ye. K.

"New Data on Enervation of Tonicity in Skeletal Muscles of a Frog." Zif. Zhur., Vol. 33, No 3, 1947, p 335. Laboratory of Comparative Physiology, Leningrad Order of Lemin State University.

50: U-4396

# GULYAYEV, P.I.; ZHUKOV, H.K.,

[Electrophysiological methods of research] Metody elektrofisiologicheskikh issledovanii. Ind-vo Leningradskogo gos. univ., 1948 [Leningrad] 268 p. (MIRA 9:3)

ZHUKOV, Ye. K.

Mbr., Leb. Comparative Physiology, Physiology Inst., im. A. A. Ukhtomskiy, Leningrad

Order Lenin State Univ. im. A. A. Zhdanor, e1948-49-.

"The Problem of the Mechanism of Innervation and Tonic Contraction: I.,"

Fiziol. Zhur. SSSR, 34, No. 4, 1948;

"Tetanic and Tonic Muscular Fibers," Dok. AN, 62, No. 3, 1948;

"'Transition' Muscular Fibers," ibid., No. 4, 1948;

"Small Components of Contraction in a Skeletal Muscle of a Frog,"

Fiziol. Zhur., 34, No. 2, 1948;

"The Correlation between the Tonelike Effects and the Small Components of Contraction,"

ibid.;

"Action Potentials of a Skeletal Muscle in Tonic Spasms," ibid., 35, No. 1, 1949;

"Tetanic and Tonic Neruomotor Units," ibid.

ZHUKOV, Ye. K.

Zhukov, Ye. K. "Nonlinear relationships in the activity of stimulated systems," (In the survey by K. Zhukov), Vestnik Leningr. un-ta, 1948, No. 8, p. 29-47, Bibliog.: p. 46-47.

SO: U-2888, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, NO. 2, 1949).

ZHUKOV, Ye. K.

Lab Comparative Physiology, Physiol Inst im A.A. Ukhtomskiy, Leningrad State U

Correlation between the tonelike effects and the small components of contraction

So: Fiziologicheskiy Zhurnal Vol 34, No 2, 1948

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ZHUKIN, Ye. K. with Vereshchagin

Lab Comparative Physiology, Physiology Inst im A.A. Ukhtomskiy, Leningrad State U

Small components of contraction in skeletal muscle of a frog

So: Fiziologicheskiy Zhurnal Vol 34, No 2, 1948

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BADTOWORGO Lab Comparative Physiol, Physiol Inst im A A Ukhtomskiy, Leningrad State U Tetanic and tonic neuromotor Units So: Fiziologicheskiy Zhurnal Vol 35; No 1, 1949

Lab Comparative Physiol, Physiol Inst im. A.A. Ukhtomskiy, Leningrad State U

Action potentials of a skeletal muscle in tonic spasms.

So: Fiziologicheskiy Zhurnal Vol 35, No 1, 1949

ZHUKOV, Ye.K.; DONTSOVA, Z.N.

Role of metabolism in manifestations of rhythm accommodation.

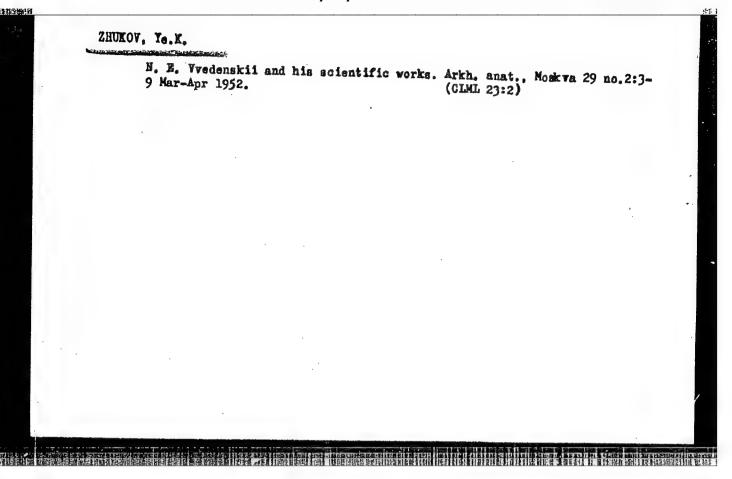
Uch. zap. Len. un. no.99:238-251 49. (MLRA 10:2)

1. Fiziologicheskiy institut imeni akademika A.A. Ukhtomskogo, Leningradskiy gosudarstvennyy ordena Lenina universitet. (HEART) (RHYTHM) (METABOLISM)

VERESHCHAGIN, S.M.; ZHUKOV, E.K.; LEUSHINA, L.I.

Role of parabiotic stimulation in tone contraction of the striated muscle, Fisiol.sh.SSSR 36 no.6:673-678 Nov-Dec 50. (CLML 20:6)

1. Laboratory of Comparative Physiology of the Physiological Institute imeni A.A.Ukhtomskiy of Leningrad State University.



ZHUKOV, Ye. K; DUMOVA, A. M; VARRESHCHAGIN, S. M.

Central-neural mechanisms of contractures. Fixiol. sh. SSSR 38 no. 2:217-225 Mar-Apr 1952. (CLML 22:3)

1. Physiological Institute imeni A. A. Ukhtomskiy, Leningrad State University, and the Department of Biology, Leningrad Medical Stomatological Institute.

UKHTOMSKIY, Aleksey Alekseyevich, akademik; AYRAPHT'YANTS, E.Sh., dotsent, redaktor; VASIL'YEV, L.L., professor, redaktor; VINOGRADOV, M.I., professor, redaktor; GOLIKOV, N.V., professor, redaktor; ZHUKOV, Ye.K., tekhnicheskiy redaktor

[Collected works] Sobranie sochinenii. Leningrad, Ind-vo Leningradskoge univ. Vol.4. [Sketch of the physiology of the nervous system
(from the general course in physiology at the Leningrad State
University) Ocherk fiziologii nervnoi sistemy. (Iz obshchego kursa
fiziologii v Leningradskom gosudarstvennom universitete). 1954. 229 p.
Vol.5. [Reviews and other articles] Obzornye i drugie stat'i. 1954.

(PHYSIOLOGY)

# "APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002064920020-6

FD-1331

Card 1/1

: Pub. 33-9/25

Author

: Sharipova, R. R. and Zhukov, Ye. K.

Title

THE RESERVE OF THE PERSON NAMED IN : Concerning specialization of motor apparatus in mammals

1/211.

Periodical : Fiziol. zhur. 4, 445-452, Jul/Aug 1954

Abstract

: Neuro-muscular apparatus of m. quadriceps in cats and rabbits consists of two parts functioning in a different manner. The straight head fundamentally functions in the manner of tonus; the lateral head responds in the manner of tetanus to to excitation of its motor nerve. The difference between them is relative and apparently consists of degree of dissimilarity in their functional mobility. Their mobility is changeable to certain extent, offering possibility for re-formation of their activity. Graphs. Three Soviet and two non-Soviet references.

Institution : Chair of General Biology, Leningrad Medical Stomatological Institute

Submitted

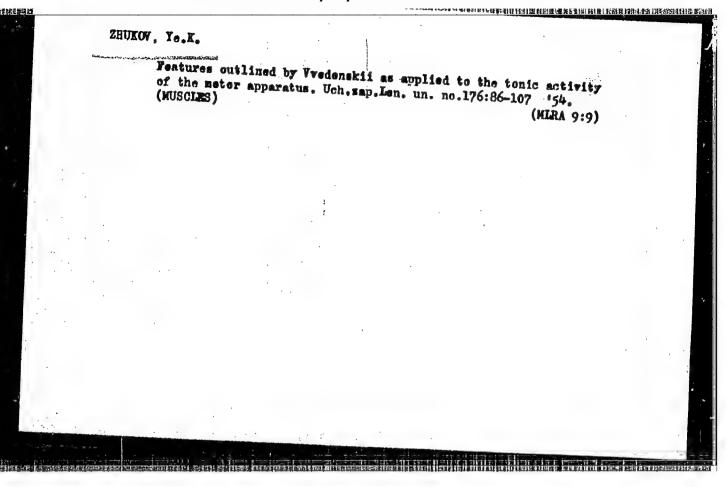
: July 9, 1953

ZHUKOV, Ye.K.; KOMAROVA, G.A.

Studying muscle contractions from the point of view of the unity of general and specific aspects in the physiological reaction of tissues to excitation. Uch.sap.Len.un. no.164:262-285 \*54.

(MUSCLE)

(MIRA 10:3)



VVEDENSKIY, Nikolay Yevgen'yevich; VASIL'EN, L.L., professor; redaktor; VINOGRADOV, M.I., professor, redaktor; VETIUKOV, I.A., dotsent, redaktor; GOLIKOV, N.V., professor, redaktor; ZHUKOV, V.K., professor, redaktor; ZHUKOV, V.K., professor, redaktor; ZHUKOV, V.K., professor, redaktor; ZHUKOV, V.K., tekhnicheskiy redaktor.

[Complete works] Polnee sobranie sechinenii. Leningrad, Ixd-vo Leningradekego gos. ordena Lenina univ.im.A.A.Zhdanova. Vol.6. [Supplements and annotations to Russian translations of text-beeks on physiology, 1886-1899] Dopolneniia i princehaniia k russkim perevodam uchebnikov pe fisielegii, 1886-1889 gg. 1956. (Physiology)

ZHUKOV. Yeveraf Konstantinovich; ZHIRMUNSKIY, A.V., redaktor; RULEVA, M.S., tekhnicheskiy redaktor

[Studies on the tonus of skelatal muscles] Issledovaniia o tonuse skeletnykh myshts. [Seningrad] Gos. izd-vo med. lit-ry, Leningradskoe otd-nie, 1956. 241 p.

(MUSCLES)

USSR / Human and Animal Physiology: Neuromuscular Physiology:

T

Abs Jour: Ref Zhur-Biol , No 9, 1958, 41645.

Author : Zhukov. E. K. Inst : Not Given.

Title : On the Second Optimum of the Skeletal Muscle.

Orig Pub: V sb.: Probl. sovrem. fisiol. nervn. i myshech. sisten. Tbilisi, AN GruzSSR, 1956, 437-444.

Abstract: Myographic tracings were taken of the semitendinous muscle of the frog, containing both tonic and tetanic fibres. Upon stimulation of the sciatic nerve with a current insufficient to excite the nerve fibres, the muscle produced a purely tetanic con-

Card 1/4

USSR / Human and Animal Physiology. Neuromuscular Physiology.

T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41645.

Abstract: traction, free of the tonic component. Upon increasing, somewhat, the current, this tetanic contraction faded into a pessimal relaxation. Upon further intensification of the current to a point of excitation of the tonic nerve fibres, the pessimal relaxation was replaced by a new contraction, now of tonic nature. This contraction differed from tetanus by the smoothness of its development and course, by lack of fatiguability, by its plasticity and visible absence of pessimum upon increase of the stimulation. Atropine (1:2,000) suppressed, first, the second optimum of the contraction of the rectus abdomining muscle (also mixed), before the primary tetanic response. It follows that the secondary contraction

Card 2/4

101

USSR / Human and Animai Physiology. Neuromuscular Physiology:

T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41645.

Abstract: of mixed muscles is really of the tonic type.

Electrophysiological data also confirm the tonic nature of the second optimum of contraction of mixed muscles. A second optimum can also be observed in purely tetanic muscles. This secondary contraction, as distinct from the tonic contraction, began with a strong and brisk development which, however, the intensity of the stimulation remaining unchanged, passed into pessimal relaxation. A second optimum can be produced also by increasing the frequency of the stimulation. It is postulated that the origin of the second tetanic

Card 3/4

USSR / Human and Animal Physiology. Neuromuscular Physiology.

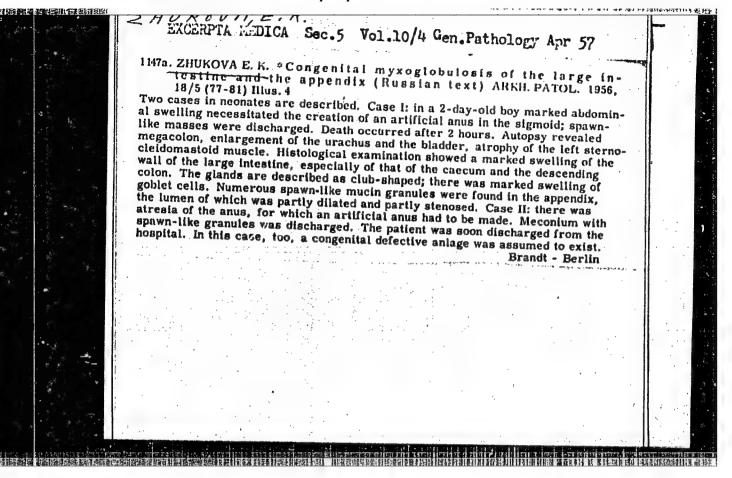
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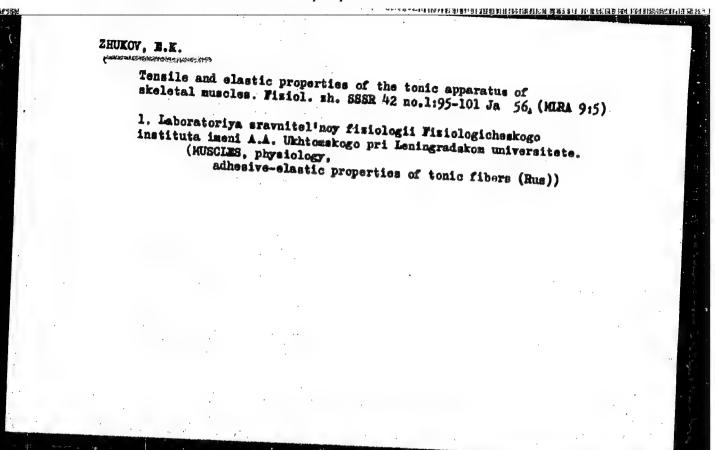
Abs Jour: Ref Zhur-Biol., No 9, 1958, 41645.

Abstract: optimum is entirely different from the second tonic optimum. -- F. I. Mumladze.

Card 4/4

102







USSR/Human and Animal Physiology. Neurcmuscular Physiology. V

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 27293.

Author : E.K. Zhukov
Inst

Title : Physiclegical Mechanisms of Muscle Contracture.

Orig Pub: In the collection: Ucheniye N.E. Vvedenskogo v

klinich. praktike. Odessa, 1957, 29-30.

Abstract: The status of a device affording support and moti-

lity for patients with fractures of bones of the lower extremity is examined. The primary stimulus in the reflex mechanism of contracture is probably painful stimulation. Injecting a solution of

novocaine into the region of the fracture or into the cavity of the knee joint reduced contracture. Immobilization of the extremity is the second essential.

Card : 1/2

75

USSR/Human and Animal Physiology. Neuromuscular Physiology.

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 27293.

stimulus to the development of contracture. The hind leg of a rabbit was invested in a circular plaster cast to serve as a model of immobilization contracture. In the first phase immobilization contracture is primarily the reflex hypertonus of the misculature arising in response to the cessation of the tactile and proprioceptive stimulation of the centers. In the second phase immobilization contracture is maintained basically at the expense of structural changes taking place reflexly in the joints and miscles of the extremity as a result of the disruption of normal movements and trophic disturbances.

Card : 2/2

ZHUKOV, Yo.K.; POPOVA, D.I.

Materials on the excitability and functional motility of tetanic and tonic muscle fibers. Nauk sap. Kyiv. un. 16 no.17:93-96 '57. (MIRA 13:2)

(MUSCLE)

USSR/Human and Animal Physiology (Normal and Pathological). Nerve and Muscle Physiology.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79912.

Author : Strelina, A.V ; Ivanov, I.I.; Zhukov, Ye. K.

Inst

Title : On the Peculiarities of Contracted Proteins of the

Skeletal Muscles of Fibers of Different Types.

Orig Pub: Fiziol. zh. SSSR, 1957, 43, No 4, 351-357.

Abstract: In the tonic cluster of the iliac-peroneus muscle of the frog, the tonic and phase working fibers were isolated. With a rate of stimulation of 5 pul/ sec, the tetany fiber gave no unified contraction, but rather a series of discreet single contractions. In relation to ATP, muscle structures can be divided

Card : 1/3

USSR/Human and Animal Physiology (Normal and Pathological).

Nerve and Muscle Physiology.

T

Abs Jour: Ref Zhur-Diol., No 17, 1958, 79912.

into groups: 1 - appearance of significant activity (contractions of more than 40%); 2 - a more weak reaction to the ATP (contraction from 21 to 40%); 3 - muscle structures with a still less expressed reaction (contraction from 0 to 20%). This indicates the presence of a direct dependence between the character of the physiological contraction and the reaction of the fiber to ATP; i.e., between the content in the tissue of proteins of the actomyosin complex. In the lateral parts of the muscle, the maximal contraction in the tonic clusters achieved 67%. The basic mass of fibers reacts very actively to ATP, which is characteristic for the typical tetany fibers. Ten per cent of the tonic fibers react weakly to the ATP.

Card : 2/3

70

USSR/Human and Animal Physiology (Normal and Pathological).
Nerve and Muscle Physiology.

T

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79912.

In the tests on mollusks (Anodonta and Unio), structures were isolated in the tonic and tetany clusters of the obductor muscle which correspond in thickness to a single fiber of the frog. In mollusks, a differentiated reaction of the muscle fibers to ATP was observed. Consequently, different contracted proteins suited for phase activity and for tunus were found here also.

Card : 3/3

VASIL'YNV, L.L.; GOLIKOV, M.V.; ZHUKOV, Ye.K.; KUNEVICH, V.G.

IUlii Mikhailovich Ufliend; on his 60th birthday. Fisiol.shur. 43

no.6:590-591 Je '57.

(UFLIAND, IULII MIKHAILOVICH, 1897-)

(WIRA 10:12)

USSR / Human and Animal Physiology (Normal and Pathological).
Neuromuscular Physiology.

T

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Abs Jour

: Rof Zhur - Biologiya, No 13, 1958, No. 60678

Author

: Zhukov, Yo. K.

Inst

: Not given

Titlo

: The Phenomonon of Optimum and Pessimum in the Tonic

Nouromiscular Apparatus

Orig Pub

: Fiziol. zh. SSSR, 1957, 43, No 11, 1112-1116

Abstract

: Tests were conducted on a neuromuscular preparation of frog (mixed semitendinosus, sciatic nerve). The neuro-motor tetanic units ensily fell into a pessimum state. The strong stimulation with a frequency of 100 imp./sec. at first produced a rapid and high muscle contraction, which changed within 2 - 3 sec. into a pessimum slackening. The relaxation could be complete; regardless of the duration of the stimulation, the muscle

Card 1/3

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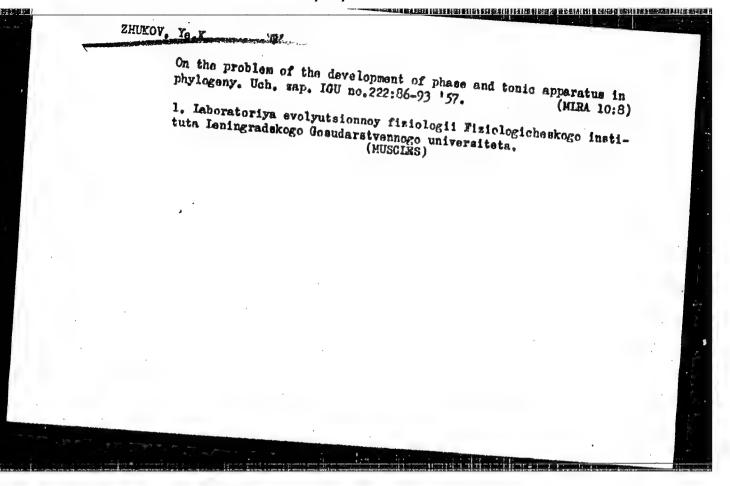
Neuromuscular Physiology (Normal and Pathological).

Abs Jour : Rof Zhur - Biologiya, No 13, 1958, No. 60678

One was due to the fact that the tonically contracted which is distinguished by its slow reversibility; the has a higher viscosity. This deformation resistance dility. -- F. I. Mumladze

Card 3/3

113



BIRIUKOV, Dmitriy Andreyevich, prof., otv. red.; VOYNO-TASKNETSKIY. A.V., red.;

ZHUKOV, Ye.K.e. red.; KARAMYAN. A.I., red.; KREPS, Ie.M., red.;

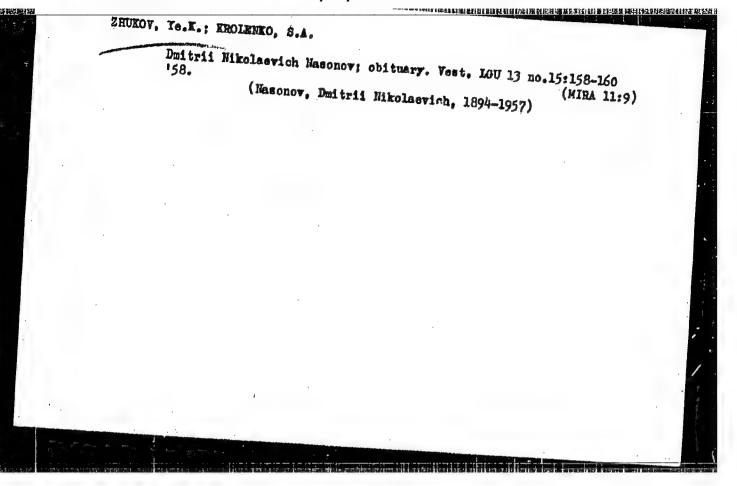
PAVIOV, B.V., red.; VEDYAYEV, F.P., red.; RULKVA, K.S., tekhn. red.

[Evolution of the functions of the nervous system] Evolutaita funktsit nervnoi statemy. [Leningrad] Gos. izd-vo med. lit-ry.

Leningr. otd-nie, 1958. 287 p. (MRA 11:12)

1. Chlen-korrespondent Akademiye meditsinskikh nauk SSSR(for Biryukov).

(NERVOUS SYSTEM)



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Stru	Structural and ensymo-chemical principles of contractility and irritation. Fiziol. shur. 45 no.11:1406-1407 N 159.					
	(MUSCLES physic1.)	(MIRA 13:5)				
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ZHUKOV, Ye.K., prof., doktor biolog.nauk, obshchiy red.; KHOTYANOV, G.B., red.; DOTSENKO, A.A., tekhn.red.

[Human physiology] Fiziologiia chelovaka. Izd.2. Moskva, Gos. izd-vo "Fizkul'tura i sport." 1959. 606 p. (MIRA 13:4)

# ZHUKOVA, Ye.K. (Moskva)

Pathological anatomy of Pneumocystis carinii pneumonia associated with interstitial lymphplasmocytic pneumonia in young children and infants. Pediatriia 37 no.9:25-30 S 159. (MIRA 13:2)

1. Iz patologoanatomicheskogo otdeleniya (zaveduyushchiy - starshiy nauchnyy sotrudnik Ye.N. Ter-Origorova) Klinicheskoy detskoy bol'-nitsy No.9 imeni Dzerzhinskogo (glavnyy vrach A.N. Kudryashova).

(PNEUMONIA INTERSTITIAL PIASMA CHIL pathol.)

ZHUKOV, Ye.K.; ZAKHAR YANTS, Tu.Z.

Synchronized rhythm of action potentials during muscular activity in man. Fiziol.zhur. 45 no.9:1053-1059 8 9. (MIRA 13:1)

1. Institut Fizicheskoy kul'tury im. P.F. Lesgafta, Leningrad. (ELECTROMTOGRAPHY)

UFLYAND, Yu.M.; VASIL'YEV, L.D.; DELOV, V.Ye.; ZHUKOV, Ye.K.

Professor I.M. Vul; obituary. Fiziol.zhur. 45 no.12:1513 D '59.

(VUL, IL'IA MOISEEVICH, 1892-1958)

ZHUKOV. Ye.K.

Review of D.N. Masonov's "Local protoplasm reaction and spreading excitation." TSitologiia 2 no.1:99-100 Ja-F 60. (MIRA 13:5) (PROTOPLASM) (NERVOUS SYSTEM) (NASONOV, D.N.)

# ZHUKOV, Ye.K. "Physiological methods in clinical practice." Reviewed by E.K. Zhukov. Fiziol.zhur. 46 no.2:254-256 F '60. (MIRA 14:5) (PHYSIOLOGY) (DIAGNOSIS)

ZHUKOV, Ye.K.

Mechanisms of the tonus of the skeletal muscles in turtles. Nerv. sist. no. 2:89-98 '60. (MIRA 14:4) (TURTLES) (MUSCLES)

ZHUKOV, Ye.K.; ZAKHAR'YANTS, Yu.Z.

Electrophysiological data on some mechanisms for overcoming fatigue. Fiziol. Zhur. 46 no. 7:819-827 Jl '60. (MIRA 13:8)

1. From the Lesgaft Institute of Physical Culture, Leningrad.
(FATIGUE) (ELECTROMYOGRAPHY)

ZHUKOV, Ye.K. (Leningrad); KOSSOVSKAYA, E.B. (Leningrad)

Role of A.N. Krestovnikov in the development of sports physiology, on his 75th birthday. Fiziol. Zhur. 46 no. 7:888-893 Jl '60. (MIRA 13:8)

(KRESTOVNIKOV, ALEKSEI NIKOLAEVICH, 1885-)

POLYANSKIY, Yu.I., otv.red.; ALEKSANDROV, V.Ye., red.; GINETSINSKIY, A.G., red.; ZHUKOV, Ye.K., red.; ZHIRMUNSKIY, A.V., red.; KARASIK, V.M., red.; KIRO, M.B., red.; LOZINA-LOZINSKIY, L.K., red.; HIKOL SKIY, N.H., red.; PARIBOK, V.P., red.; ROMANOV, S.N., red.; SVETLOV, P.G., red.; SOKOLOV, I.I., red.; TROSHIN, A.S., red.; USHAKOV, B.P., red.; SHERSTOBITOV, O.Ye., red.; Zd-ve; PEVZNER, R.S., tekhn.red.

[Problems in cytology and general physiology] Voprosy tsitologii i obshchei fiziologii. Moskva, Izd-vo Akad.nauk SSSR, 1960.
398 p. (MIRA 14:1)

1. Akademiya nauk SSSR. Institut tsitologii. 2. Institut evolyutsionnoy fiziologii im. I.M. Sechenova AN SSSR, Leningrad (for Ginetsinskiy). 3. Fiziologicheskiy institut im. A.A. Ukhtomskogo pri Leningradskom universitete im. A.A. Zhdanova (for Zhukov). 4. Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR, Leningrad (for Karasik). 5. Institut tsitologii AN SSSR, Leningrad (for Kiro, Paribok, Sokolov). 6. Institut fiziologii im. I.P. Pavlova AN SSSR, Leningrad (for Romanov). 7. Leboratoriya embriologii Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad (for Svetlov). 8. Leboratoriya fiziologii kletki Instituta tsitologii AN SSSR, Leningrad (for Troshin). 9. Leboratoriya sravnitel'noy tsitologii Instituta tsitologii AN SSSR, Leningrad (for Ushakov). (CYTOLOGY)

BEREZINA, Mariya Pavlovna; VASILEVSKAYA, Natal'ya Yefimovna; AVERBAKH, Mikhail Solomonovich; VETYUKOV, Ivan Alekseyevich, dots.; GOLIKOV, Nikolay Vasil'yevich; GULYAYEV, Pavel Ivancvich; ZHUKOV, Yevgraf Konstantinovich; LATMANIZOVA, Lyudmika Vladimirovna; MAKAROV, Petr Osipovich; NIKITINA, Iya Pavlovna; SPERANSKAYA, Yekaterina Nikolayevna; VASIL'YEV, L.L., prof., red.; PEREDEL'SKAYA, N.M., red.; PARSADANOVA, K.G., red. izd-va; GRIGOR-CHUK, L.A., tekhn. red.

[Comprehensive laboratory manual of human and animal physiology] Bol'shoi praktikum po fiziologii cheloveka i zhivotnykh. Izd.2., ispr. i dop. Moskva, Gos. izd-vo "Vyshaia shkola," 1961. 674 p. (HIRA 14:8) (PHYSIOLOGY—LABORATORY MANUALS)

ZHUKOV, Yo.K.; KATSNEL'SON, Z.S.

"Problems of cytology and protistology; a collection of works."

Reviewed by E.K.Zhukov, Z.S.Katsnel'son.

370 My-Je '61.

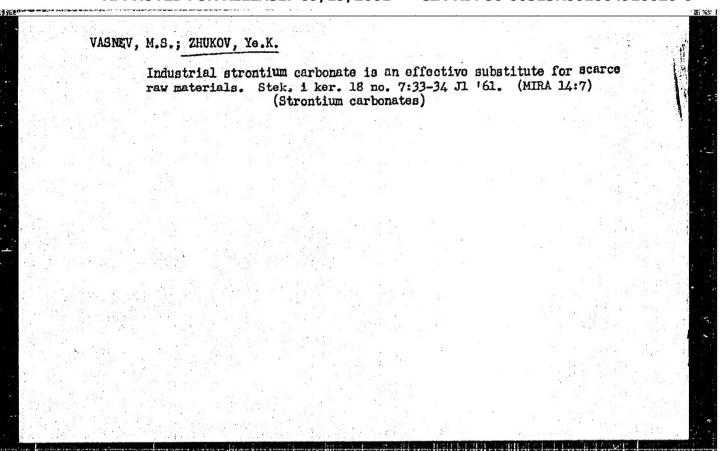
(CYTOLOGY) (PROTOZOA)

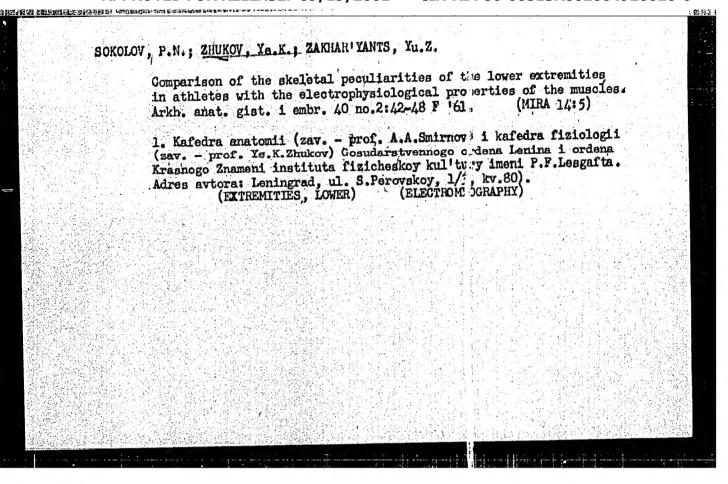
(PROTOZOA)

ZHUKOV, Ye.K.; ZAKHAR'YANTS, Yu.Z.

Physiological mechanisms of volitional actions. Vop. psikhol. 7 no.6:127-135 N-D '61. (MIRA 15:1)

 Kafedra fiziologii Instituta fizicheskoy kul'tury imeni P.F. Lesgafta, Leningrad.
 (Movement, Psychology of)





#Local exc	citation as t	he basis of a	tivity of sl	ow toric mus	cular fibres.	•
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Report sub	itted, but no	1 Sciences	t the 22nd In Sep 1962	nternational		
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